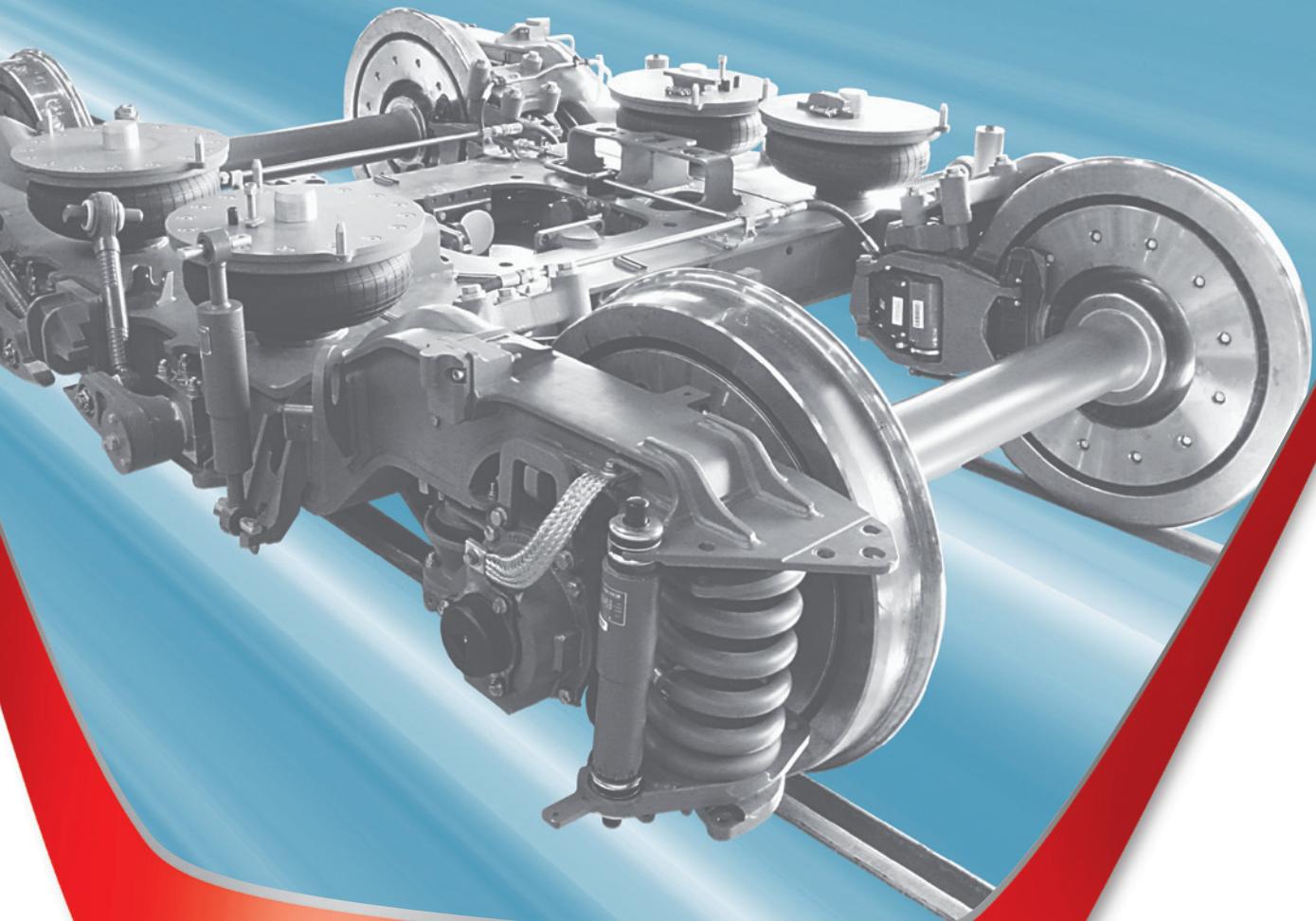


FLEXX Compact Bogies

Modular Approach for Maximum Design Flexibility



Bogies

BOMBARDIER

⟨ A real success story ⟩



The **FLEXX** Compact bogie family is the most successful bogie family of the world for commuter and regional trains. Currently, more than 7,000 **FLEXX** Compact bogies are in service or on order worldwide. Bombardier has 30 years of operational experience with this bogie family.

The **FLEXX** Compact family is a multi-purpose one. It serves the complete range of commuter and regional trains. The **FLEXX** Compact bogie family is versatile in its feature and performance range due to wide use of adaptable modules and proven standardized components. This gives the advantages of a flexible bogie concept, that can cost effectively be adapted to meet specific operational requirements. **FLEXX** Compact bogies offer high quality running performance and are easy to maintain at low maintenance costs.

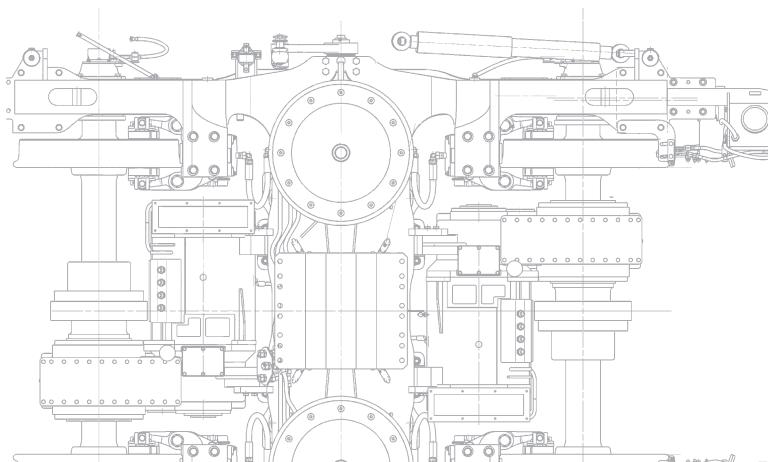
Bogies of the **FLEXX** Compact family feature a low weight torsionally elastic frame for optimal safety against derailment. The bogies are compact and therefore highly suitable for low-floor vehicles, where space for underfloor equipment is limited.



FLEXX Compact motor bogie, AGC, France



FLEXX Compact Jacobs bogie, ÖBB, Austria





Diesel Trainsets

All *BOMBARDIER** *TALENT** DEMU and DMU trains are fitted with *FLEXX* Compact bogies. The powered bogies are driven by cardan shaft. Both powered and trailer bogies are of light weight and compact. Especially the intermediate Jacobs-type trailer bogies are perfectly suited for low floor trains. The height above the air spring of these bogies is extraordinarily low, only 615 mm.

Electrical Trainsets

FLEXX Compact bogies are also installed on electrical *Bombardier* trainsets, for example the AGCs and *SPACIUM* 3.06* in France, the *TALENT* regional trains in Germany, the *TALENT* commuter trains for Vienna (Austria) and the *NINA* trains in Switzerland.

The *FLEXX* Compact motor bogies are designed for use of semi suspended or partly suspended drive, and wheel mounted disc brake units.

Coaches

FLEXX Compact bogies are used as well for coach applications. For example: *JUMBO* coaches of *BLS*, *INOVA** coaches for the *DOMINO*** trains in Switzerland and coaches for *LVS Marschbahn* in Germany are equipped with *FLEXX* Compact Bogies.

Tilting Trains

TALENT tilting as delivered to NSB (Norwegian State Railways) are equipped with *FLEXX* Compact bogies adapted to the higher axle loads, higher speed and to the harsh Scandinavian winter conditions. These specific *FLEXX* Compact bogies are equipped with the unique ContRoll type of tilting system: no swinging bolster is required between the bogie and the car body, but hydraulic cylinders fitted between the anti roll bar system and the car body actuate the tilting directly.



TALENT train, NSB, Norway

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